

Anti-Annexin IV Antibody

Catalog # ABO10502

Product Information

Application	WB, IHC-P
Primary Accession	P09525
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Annexin A4(ANXA4) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	307
Other Names	Annexin A4, 35-beta calcimedin, Annexin IV, Annexin-4, Carbohydrate-binding protein p33/p41, Chromobindin-4, Endonexin I, Lipocortin IV, P32.5, PP4-X, Placental anticoagulant protein II, PAP-II, Protein II, ANXA4, ANX4
Calculated MW	35883
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
Source	Eukaryota
Protein Name	Annexin A4
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Annexin IV(7-21aa TVKAASGFNAMEDAQ), different from the related mouse and rat sequences by one amino acid.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for a longer time.Avoid repeated freezing and thawing.

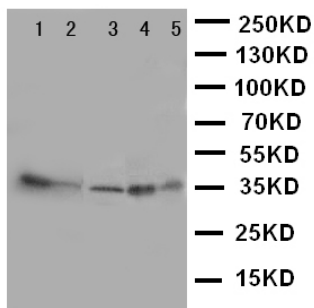
Protein Information

Name	ANXA4 (HGNC:542)
Synonyms	ANX4
Function	Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.
Cellular Location	Zymogen granule membrane {ECO:0000250 UniProtKB:P50994}; Peripheral membrane protein {ECO:0000250 UniProtKB:P50994}

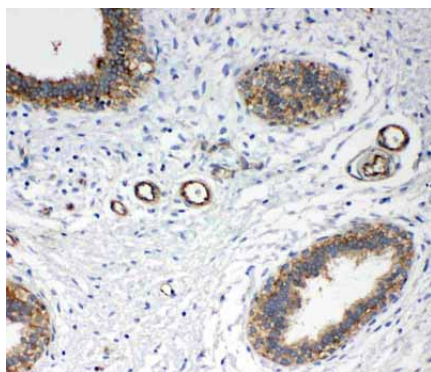
Background

Annexin IV, also known as placental anticoagulant protein II, or zymogen granule membrane-associated protein, 36-KD(ZAP36), is one of the family of calcium-dependent phospholipid-binding proteins whose normal function is uncertain. Annexin IV has 45 to 59% identity with other members of the annexin family. Annexin IV gene spans 18 to 56 kb. And it is located on mouse chromosome 6 in a region of conserved synteny with human chromosome 2. Rat annexin IV is ubiquitously expressed in epithelial tissues. Zap36 associated with zymogen granule membranes in dog and rat pancreas. Human annexin IV gene is mapped to chromosome 2p13.

Images

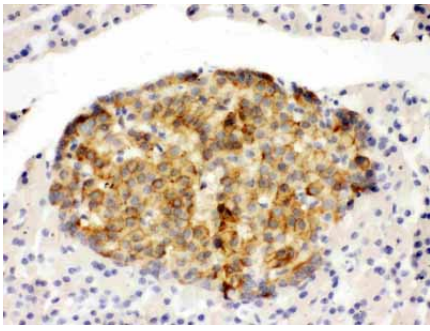


Anti-Annexin IV antibody, ABO10502, Western blotting
Lane 1: Human Placenta Tissue Lysate
Lane 2: Rat Liver Tissue Lysate
Lane 3: 293T Cell Lysate
Lane 4: HEPA Cell Lysate
Lane 5: NIH3T3 Cell Lysate



Anti-Annexin IV antibody, ABO10502, IHC(P)IHC(P):
Human Mammary Cancer Tissue

Anti-Annexin IV antibody, ABO10502, IHC(P)IHC(P): Rat
Pancreas Tissue



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